Bilal Bahaa Zaidan

List of Publications by Year
in descending order

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78 papers	4,431 citations	57681 46 h-index	129628 63 g-index
78 all docs	78 docs citations	78 times ranked	1904 citing authors

#	Article	IF	Citations
1	A review of research on medical image confidentiality related technology coherent taxonomy, motivations, open challenges and recommendations. Multimedia Tools and Applications, 2023, 82, 21867-21906.	2.6	9
2	Novel Roadside Unit Positioning Framework in the Context of the Vehicle-to-Infrastructure Communication System Based on AHPÂâ€" Entropy for Weighting and BordaÂâ€" VIKOR for Uniform Ranking. International Journal of Information Technology and Decision Making, 2022, 21, 1233-1266.	2.3	21
3	Determining Importance of Many-Objective Optimisation Competitive Algorithms Evaluation Criteria Based on a Novel Fuzzy-Weighted Zero-Inconsistency Method. International Journal of Information Technology and Decision Making, 2022, 21, 195-241.	2.3	66
4	Novel dynamic fuzzy Decision-Making framework for COVID-19 vaccine dose recipients. Journal of Advanced Research, 2022, 37, 147-168.	4.4	52
5	Hybrid artificial neural network and structural equation modelling techniques: a survey. Complex & Intelligent Systems, 2022, 8, 1781-1801.	4.0	41
6	Integration of fuzzy-weighted zero-inconsistency and fuzzy decision by opinion score methods under a q-rung orthopair environment: A distribution case study of COVID-19 vaccine doses. Computer Standards and Interfaces, 2022, 80, 103572.	3.8	52
7	Rise of multiattribute decisionâ€making in combating COVIDâ€19: A systematic review of the stateâ€ofâ€theâ€art literature. International Journal of Intelligent Systems, 2022, 37, 3514-3624.	3.3	55
8	A new extension of FDOSM based on Pythagorean fuzzy environment for evaluating and benchmarking sign language recognition systems. Neural Computing and Applications, 2022, 34, 4937-4955.	3.2	23
9	Extension of interval-valued Pythagorean FDOSM for evaluating and benchmarking real-time SLRSs based on multidimensional criteria of hand gesture recognition and sensor glove perspectives. Applied Soft Computing Journal, 2022, 116, 108284.	4.1	27
10	Multi-criteria decision-making for coronavirus disease 2019 applications: a theoretical analysis review. Artificial Intelligence Review, 2022, 55, 4979-5062.	9.7	33
11	Novel Multi Security and Privacy Benchmarking Framework for Blockchain-Based IoT Healthcare Industry 4.0 Systems. IEEE Transactions on Industrial Informatics, 2022, 18, 6415-6423.	7.2	61
12	Rescuing emergency cases of COVID-19 patients: An intelligent real-time MSC transfusion framework based on multicriteria decision-making methods. Applied Intelligence, 2022, 52, 9676-9700.	3.3	18
13	Based on neutrosophic fuzzy environment: a new development of FWZIC and FDOSM for benchmarking smart e-tourism applications. Complex & Intelligent Systems, 2022, 8, 3479-3503.	4.0	25
14	New Extension of Fuzzy-Weighted Zero-Inconsistency and Fuzzy Decision by Opinion Score Method Based on Cubic Pythagorean Fuzzy Environment: A Benchmarking Case Study of Sign Language Recognition Systems. International Journal of Fuzzy Systems, 2022, 24, 1909-1926.	2.3	22
15	A new standardisation and selection framework for real-time image dehazing algorithms from multi-foggy scenes based on fuzzy Delphi and hybrid multi-criteria decision analysis methods. Neural Computing and Applications, 2021, 33, 1029-1054.	3.2	51
16	Multidimensional benchmarking of the active queue management methods of network congestion control based on extension of fuzzy decision by opinion score method. International Journal of Intelligent Systems, 2021, 36, 796-831.	3.3	61
17	Sentiment analysis and its applications in fighting COVID-19 and infectious diseases: A systematic review. Expert Systems With Applications, 2021, 167, 114155.	4.4	209
18	A Landscape of Research on Bus Driver Behavior: Taxonomy, Open Challenges, Motivations, Recommendations, Limitations, and Pathways Solution in Future. IEEE Access, 2021, 9, 139896-139927.	2.6	6

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19	Convalescent-plasma-transfusion intelligent framework for rescuing COVID-19 patients across centralised/decentralised telemedicine hospitals based on AHP-group TOPSIS and matching component. Applied Intelligence, 2021, 51, 2956-2987.	3.3	40
20	Multidimensional Benchmarking Framework for AQMs of Network Congestion Control Based on AHP and Group-TOPSIS. International Journal of Information Technology and Decision Making, 2021, 20, 1409-1446.	2.3	23
21	How smart is e-tourism? A systematic review of smart tourism recommendation system applying data management. Computer Science Review, 2021, 39, 100337.	10.2	106
22	Benchmarking of AQM methods of network congestion control based on extension of interval type-2 trapezoidal fuzzy decision by opinion score method. Telecommunication Systems, 2021, 77, 493-522.	1.6	33
23	Interval type 2 trapezoidalâ€fuzzy weighted with zero inconsistency combined with VIKOR for evaluating smart eâ€tourism applications. International Journal of Intelligent Systems, 2021, 36, 4723-4774.	3.3	66
24	Development of IoT-based mhealth framework for various cases of heart disease patients. Health and Technology, 2021, 11, 1013-1033.	2.1	31
25	Based on T-spherical fuzzy environment: A combination of FWZIC and FDOSM for prioritising COVID-19 vaccine dose recipients. Journal of Infection and Public Health, 2021, 14, 1513-1559.	1.9	51
26	Novel Triplex Procedure for Ranking the Ability of Software Engineering Students Based on Two levels of AHP and Group TOPSIS Techniques. International Journal of Information Technology and Decision Making, 2021, 20, 67-135.	2.3	35
27	PSOâ€“Blockchain-based image steganography: towards a new method to secure updating and sharing COVID-19 data in decentralised hospitals intelligence architecture. Multimedia Tools and Applications, 2021, 80, 14137-14161.	2.6	31
28	Based on the multi-assessment model: Towards a new context of combining the artificial neural network and structural equation modelling: A review. Chaos, Solitons and Fractals, 2021, 153, 111445.	2.5	41
29	Electronic medical record systems: decision support examination framework for individual, security and privacy concerns using multi-perspective analysis. Health and Technology, 2020, 10, 795-822.	2.1	88
30	Novel technique for reorganisation of opinion order to interval levels for solving several instances representing prioritisation in patients with multiple chronic diseases. Computer Methods and Programs in Biomedicine, 2020, 185, 105151.	2.6	56
31	Finger Vein Biometrics: Taxonomy Analysis, Open Challenges, Future Directions, and Recommended Solution for Decentralised Network Architectures. IEEE Access, 2020, 8, 9821-9845.	2.6	36
32	mHealth Authentication Approach Based 3D Touchscreen and Microphone Sensors for Real-Time Remote Healthcare Monitoring System: Comprehensive Review, Open Issues and Methodological Aspects. Computer Science Review, 2020, 38, 100300.	10.2	30
33	Multi-Biological Laboratory Examination Framework for the Prioritization of Patients with COVID-19 Based on Integrated AHP and Group VIKOR Methods. International Journal of Information Technology and Decision Making, 2020, 19, 1247-1269.	2.3	81
34	Fuzzy decision by opinion score method. Applied Soft Computing Journal, 2020, 96, 106595.	4.1	70
35	Review of the Research Landscape of Multi-Criteria Evaluation and Benchmarking Processes for Many-Objective Optimization Methods: Coherent Taxonomy, Challenges and Recommended Solution. International Journal of Information Technology and Decision Making, 2020, 19, 1619-1693.	2.3	19
36	A Novel Multi-Perspective Benchmarking Framework for Selecting Image Dehazing Intelligent Algorithms Based on BWM and Group VIKOR Techniques. International Journal of Information Technology and Decision Making, 2020, 19, 909-957.	2.3	65

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37	Novel Multiperspective Hiring Framework for the Selection of Software Programmer Applicants Based on AHP and Group TOPSIS Techniques. International Journal of Information Technology and Decision Making, 2020, 19, 775-847.	2.3	12
38	Helping doctors hasten COVID-19 treatment: Towards a rescue framework for the transfusion of best convalescent plasma to the most critical patients based on biological requirements via ml and novel MCDM methods. Computer Methods and Programs in Biomedicine, 2020, 196, 105617.	2.6	83
39	Systematic review of artificial intelligence techniques in the detection and classification of COVID-19 medical images in terms of evaluation and benchmarking: Taxonomy analysis, challenges, future solutions and methodological aspects. Journal of Infection and Public Health, 2020, 13, 1381-1396.	1.9	182
40	A Uniform Intelligent Prioritisation for Solving Diverse and Big Data Generated From Multiple Chronic Diseases Patients Based on Hybrid Decision-Making and Voting Method. IEEE Access, 2020, 8, 91521-91530.	2.6	49
41	The Landscape of Research on Skin Detectors: Coherent Taxonomy, Open Challenges, Motivations, Recommendations and Statistical Analysis, Future Directions. IEEE Access, 2019, 7, 106536-106575.	2.6	13
42	New Method of Image Steganography Based on Particle Swarm Optimization Algorithm in Spatial Domain for High Embedding Capacity. IEEE Access, 2019, 7, 168994-169010.	2.6	30
43	Medical emergency triage and patient prioritisation in a telemedicine environment: a systematic review. Health and Technology, 2019, 9, 679-700.	2.1	70
44	Mapping and Deep Analysis of Vehicle-to-Infrastructure Communication Systems: Coherent Taxonomy, Datasets, Evaluation and Performance Measurements, Motivations, Open Challenges, Recommendations, and Methodological Aspects. IEEE Access, 2019, 7, 126753-126772.	2.6	22
45	Assessment and Ranking Framework for the English Skills of Pre-Service Teachers Based on Fuzzy Delphi and TOPSIS Methods. IEEE Access, 2019, 7, 126201-126223.	2.6	65
46	Multi-Criteria Evaluation and Benchmarking for Young Learnersâ€™ English Language Mobile Applications in Terms of LSRW Skills. IEEE Access, 2019, 7, 146620-146651.	2.6	47
47	Multi-Criteria Evaluation and Benchmarking for Active Queue Management Methods: Open Issues, Challenges and Recommended Pathway Solutions. International Journal of Information Technology and Decision Making, 2019, 18, 1187-1242.	2.3	51
48	Real-Time Remote-Health Monitoring Systems: a Review on Patients Prioritisation for Multiple-Chronic Diseases, Taxonomy Analysis, Concerns and Solution Procedure. Journal of Medical Systems, 2019, 43, 223.	2.2	101
49	Mobile Patient Monitoring Systems from a Benchmarking Aspect: Challenges, Open Issues and Recommended Solutions. Journal of Medical Systems, 2019, 43, 207.	2.2	64
50	Multiclass Benchmarking Framework for Automated Acute Leukaemia Detection and Classification Based on BWM and Group-VIKOR. Journal of Medical Systems, 2019, 43, 212.	2.2	70
51	Mobile-Based Patient Monitoring Systems: A Prioritisation Framework Using Multi-Criteria Decision-Making Techniques. Journal of Medical Systems, 2019, 43, 219.	2.2	64
52	Comprehensive review and analysis of anti-malware apps for smartphones. Telecommunication Systems, 2019, 72, 285-337.	1.6	57
53	Fault-Tolerant mHealth Framework in the Context of IoT-Based Real-Time Wearable Health Data Sensors. IEEE Access, 2019, 7, 50052-50080.	2.6	103
54	Based Multiple Heterogeneous Wearable Sensors: A Smart Real-Time Health Monitoring Structured for Hospitals Distributor. IEEE Access, 2019, 7, 37269-37323.	2.6	80

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55	Based on Real Time Remote Health Monitoring Systems: A New Approach for Prioritization â€œLarge Scales Dataâ€•Patients with Chronic Heart Diseases Using Body Sensors and Communication Technology. Journal of Medical Systems, 2018, 42, 69.	2.2	90
56	Comparative study on the evaluation and benchmarking information hiding approaches based multi-measurement analysis using TOPSIS method with different normalisation, separation and context techniques. Measurement: Journal of the International Measurement Confederation, 2018, 117, 277-294.	2.5	61
57	Systematic Review of Real-time Remote Health Monitoring System in Triage and Priority-Based Sensor Technology: Taxonomy, Open Challenges, Motivation and Recommendations. Journal of Medical Systems, 2018, 42, 80.	2.2	133
58	Comprehensive insights into evaluation and benchmarking of real-time skin detectors: Review, open issues & challenges, and recommended solutions. Measurement: Journal of the International Measurement Confederation, 2018, 114, 243-260.	2.5	59
59	Technique for order performance by similarity to ideal solution for solving complex situations in multi-criteria optimization of the tracking channels of GPS baseband telecommunication receivers. Telecommunication Systems, 2018, 68, 425-443.	1.6	54
60	Systematic Review of an Automated Multiclass Detection and Classification System for Acute Leukaemia in Terms of Evaluation and Benchmarking, Open Challenges, Issues and Methodological Aspects. Journal of Medical Systems, 2018, 42, 204.	2.2	91
61	Real-Time Fault-Tolerant mHealth System: Comprehensive Review of Healthcare Services, Opens Issues, Challenges and Methodological Aspects. Journal of Medical Systems, 2018, 42, 137.	2.2	84
62	Real-Time Remote Health-Monitoring Systems in a Medical Centre: A Review of the Provision of Healthcare Services-Based Body Sensor Information, Open Challenges and Methodological Aspects. Journal of Medical Systems, 2018, 42, 164.	2.2	92
63	A methodology for football players selection problem based on multi-measurements criteria analysis. Measurement: Journal of the International Measurement Confederation, 2017, 111, 38-50.	2.5	69
64	Novel Methodology for Triage and Prioritizing Using â€œBig Dataâ€•Patients with Chronic Heart Diseases Through Telemedicine Environmental. International Journal of Information Technology and Decision Making, 2017, 16, 1211-1245.	2.3	81
65	The rise of keyloggers on smartphones: A survey and insight into motion-based tap inference attacks. Pervasive and Mobile Computing, 2016, 25, 1-25.	2.1	59
66	Evaluation and selection of open-source EMR software packages based on integrated AHP and TOPSIS. Journal of Biomedical Informatics, 2015, 53, 390-404.	2.5	159
67	On the multi-agent learning neural and Bayesian methods in skin detector and pornography classifier: An automated anti-pornography system. Neurocomputing, 2014, 131, 397-418.	3.5	27
68	Image skin segmentation based on multi-agent learning Bayesian and neural network. Engineering Applications of Artificial Intelligence, 2014, 32, 136-150.	4.3	22
69	Impact of Data Privacy and Confidentiality on Developing Telemedicine Applications: A Review Participates Opinion and Expert Concerns. International Journal of Pharmacology, 2011, 7, 382-387.	0.1	56
70	An Accurate Method to Obtain Bio-Metric Measurements for Three Dimensional Skull. Journal of Applied Sciences, 2010, 10, 145-150.	0.1	12
71	Hiding Data in Video File: An Overview. Journal of Applied Sciences, 2010, 10, 1644-1649.	0.1	66
72	On the Differences between Hiding Information and Cryptography Techniques: An Overview. Journal of Applied Sciences, 2010, 10, 1650-1655.	0.1	106

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73	Suitability of Using Symmetric Key to Secure Multimedia Data: An Overview. Journal of Applied Sciences, 2010, 10, 1656-1661.	0.1	27
74	On the Capacity and Security of Steganography Approaches: An Overview. Journal of Applied Sciences, 2010, 10, 1825-1833.	0.1	60
75	Investigate the Capability of Applying Hidden Data in Text File: An Overview. Journal of Applied Sciences, 2010, 10, 1916-1922.	0.1	15
76	An Overview on Hiding Information Technique in Images. Journal of Applied Sciences, 2010, 10, 2094-2100.	0.1	65
77	Challenges of Hidden Data in the Unused Area Two within Executable Files. Journal of Computer Science, 2009, 5, 890-897.	0.5	18
78	New mHealth hospital selection framework supporting decentralised telemedicine architecture for outpatient cardiovascular disease-based integrated techniques: Haversine-GPS and AHP-VIKOR. Journal of Ambient Intelligence and Humanized Computing, 0, , 1.	3.3	28